

FIG. 2A

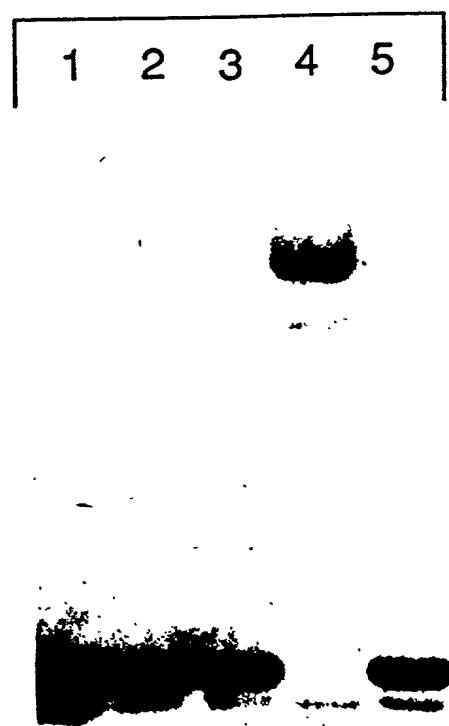


FIG. 2B

FIG. 3A

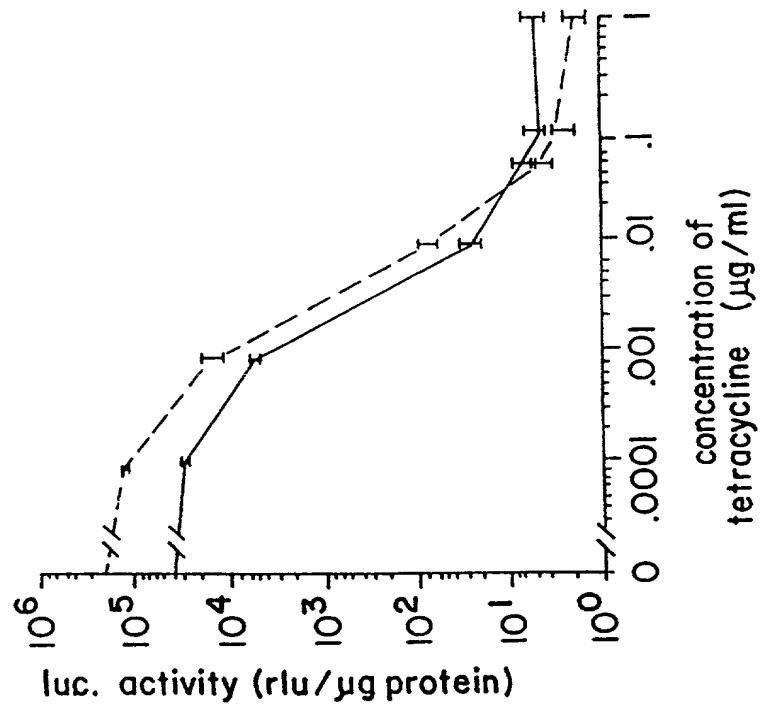
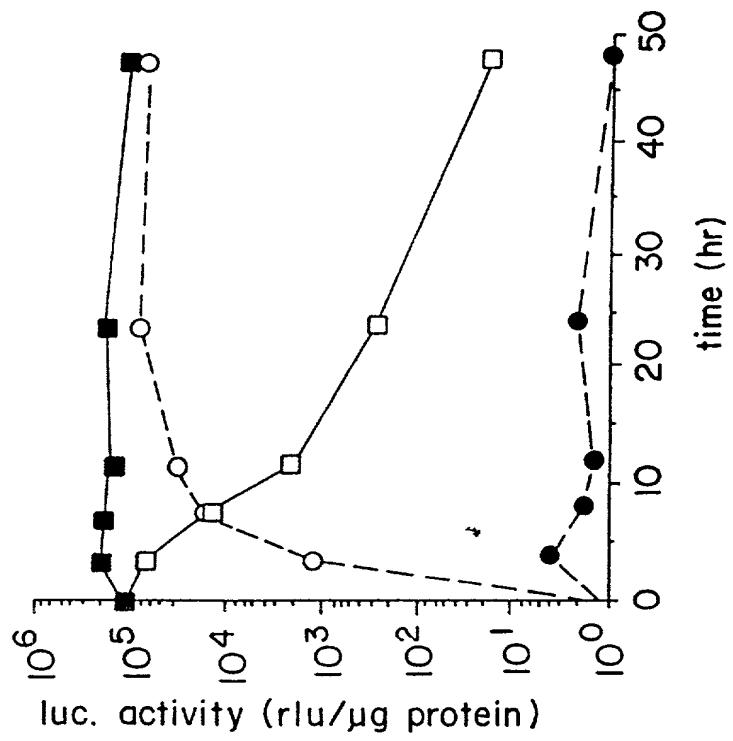


FIG. 3B



the *Journal of the Royal Society of Medicine* and the *Journal of the Royal Society of Anatomy* are the best sources of information on the subject.

ATG	TCT	AGA	TTA	GAT	AAA	AGT	AAA	GTG	ATT	AAC	AGC	GCA	TTA	GAG	CTG	CTT	AAT
Met	Ser	Arg	Leu	Asp	Lys	Ser	Lys	Val	Ile	Asn	Ser	Ala	Leu	Glu	Leu	Leu	Asn

GAG	GTC	GGA	ATC	GAA	GGT	TTA	ACA	ACC	CGT	AAA	CTC	GCC	CAG	AAG	CTA	GGT	GTA
Glu	Val	Gly	Ile	Glu	Gly	Leu	Thr	Arg	Lys	Leu	Ala	Gln	Lys	Leu	Gly	Val	

GAG	CAG	CCT	ACA	TG	TAT	TGG	CAT	GTA	AAA	AAT	AAG	CGG	GCT	TTG	CTC	GAC	GCC	
Glu	Gln	Gln	Pro	Thr	Leu	Tyr	Trp	His	Val	Lys	Asn	Lys	Arg	Ala	Leu	Leu	Asp	Ala

TTA	GCC	ATT	GAG	ATG	TTA	GAT	AGG	CAC	CAT	ACT	CAC	TTT	TGC	CCT	TTA	GAA	GGG
Leu	Ala	Ile	Glu	Met	Leu	Asp	Arg	His	His	Thr	His	Phe	Cys	Pro	Leu	Glu	Gly

GAA	AGC	TGG	CAA	GAT	TTT	TTA	CGT	AAT	AAG	GCT	AAA	AGT	TTT	AGA	TGT	GCT	TTA
Glu	Ser	Trp	Gln	Asp	Phe	Leu	Arg	Asn	Lys	Ala	Lys	Ser	Phe	Arg	Cys	Ala	Leu

Fig. 4A

CTA	AGT	CAT	CGC	GAT	GGG	GCA	AAA	GTA	CAT	TTA	GGT	ACA	CGG	CCT	ACA	GAA	AAA
Leu	Ser	His	Arg	Asp	Gly	Ala	Lys	Val	His	Leu	Gly	Thr	Arg	Pro	Thr	Glu	Lys

CAG	TAT	GAA	ACT	CTC	GAA	AAT	CAA	TTA	GCC	TTT	TTA	TGC	CAA	GGT	TTT	TCA
Gln	Tyr	Glu	Thr	Leu	Glu	Asn	Gln	Leu	Ala	Phe	Leu	Cys	Gln	Gly	Phe	Ser

CTA	GAG	AAT	GCA	TTA	TAT	GCA	CTC	AGC	GCT	GTG	GGG	CAT	TTT	ACT	TTA	GGT	TGC
Leu	Glu	Asn	Ala	Leu	Tyr	Ala	Leu	Ser	Ala	Val	Gly	His	Phe	Thr	Leu	Gly	Cys

GTA	TTG	GAA	GAT	CAA	GAG	CAT	CAA	GTC	GCT	AAA	GAA	GAA	AGG	GAA	ACA	CCT	ACT
Val	Leu	Glu	Asp	Gln	Glu	His	Gln	Val	Ala	Lys	Glu	Glu	Arg	Glu	Thr	Pro	Thr

ACT	GAT	AGT	ATG	CCG	CCA	TTA	CGA	CAA	GCT	ATC	GAA	TTA	TTT	GAT	CAC	CAA	
Thr	Asp	Ser	Met	Pro	Pro	Leu	Leu	Arg	Gln	Ala	Ile	Glu	Leu	Phe	Asp	His	Gln

Fig. 4B

GGT	GCA	GAG	CCA	GCC	TTC	TTA	TTC	GGC	CTT	GAA	TTG	ATC	ATA	TGC	GGA	TTA	GAA	
Gly	Ala	Glu	Pro	Ala	Phe	Leu	Gly	Leu	Glu	Leu	Ile	Ile	Cys	Gly	Cys	Gly	Leu	Glu

AAA	CAA	CTT	AAA	TGT	GAA	AGT	GGG	TCC	GGC	TAC	AGC	CGC	GCG	CGT	ACG	AAA	AAC
Lys	Gln	Leu	Lys	Cys	Glu	Ser	Gly	Ser	Ala	Tyr	Ser	Arg	Ala	Arg	Thr	Lys	Asn

AAT	TAC	GGG	TCT	ACC	ATC	GAG	GGC	CTG	CTC	GAT	C ^r TC	CCG	GAC	GAC	GCC	CCC	CCC
Asn	Tyr	Gly	Ser	Thr	Ile	Glu	Gly	Leu	Leu	Asp	Leu	Pro	Asp	Asp	Asp	Ala	Pro

GAA	GAG	GCG	GGG	CTG	GCG	GCT	CCG	CGC	TCC	TTT	CTC	CCC	GCG	GGA	CAC	ACG	ACG
Glu	Glu	Ala	Gly	Leu	Ala	Ala	Pro	Arg	Leu	Ser	Phe	Leu	Pro	Ala	Gly	His	Thr

CGC	AGA	CTG	TCG	ACG	GCC	CCC	CCG	ACC	GAT	GTC	AGC	CTG	GGG	GAC	GAG	CTC	CAC
Arg	Arg	Leu	Ser	Thr	Ala	Pro	Pro	Thr	Asp	Val	Ser	Leu	Gly	Asp	Glu	Leu	His

Fig. 4C

TTA GAC GGC GAG GAC GTG GCG ATG GCG CAT GCC GAC GCG CTA GAC GAT TTC GAT
Leu Asp Gly Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp

CTG	GAC	ATG	TTG	GGG	GAC	GGG	GAT	TCC	CCG	GGT	CCG	GGA	TTT	ACC	CCC	CAC	GAC	
Leu	Asp	Met	Leu	Gly	Asp	Gly	Asp	Ser	Pro	Gly	Pro	Gly	Phe	Thr	Thr	Pro	His	Asp

TCC	GCC	CCC	TAC	GGC	GCT	CTG	GAT	ATG	GCC	GAC	TTC	GAG	TTT	GAG	CAG	ATG	TTT
Ser	Ala	Pro	Tyr	Gly	Ala	Leu	Asp	Met	Ala	Asp	Phe	Glu	Phe	Glu	Gln	Met	Phe

ACC	GAT	CCC	CTT	GGA	ATT	GAC	GAG	TAC	GGT	GGG	TAG
Thr	Asp	Pro	Leu	Gly	Ile	Asp	Glu	Tyr	Gly	Gly	*

Fig. 4D

He had a very good time, and when he got home he told his wife all about it.

ATG	TCT	AGA	TTA	GAT	AAA	AGT	AAA	GTG	ATT	AAC	AGC	GCA	TTA	GAG	CTG	CTG	AAT
Met	Ser	Arg	Leu	Asp	Lys	Ser	Lys	Val	Ile	Asn	Ser	Ala	Leu	Glu	Leu	Leu	Asn

GAG	GTC	GGA	ATC	GAA	GGT	TTA	ACA	ACC	CGT	AAA	CTC	GCC	CAG	AAG	CTA	GGT	GTA	
Glu	Val	Gly	Ile	Glu	Gly	Leu	Thr	Thr	Arg	Arg	Lys	Leu	Ala	Gln	Lys	Leu	Gly	Val

GAG	CAG	CCT	ACA	TG	TAT	TGG	CAT	GTA	AAA	AAT	AAG	CGG	GCT	TTG	CTC	GAC	GCC
Glu	Gln	Pro	Thr	Leu	Tyr	Trp	His	Val	Lys	Asn	Lys	Arg	Ala	Leu	Leu	Asp	Ala

TTA	GCC	ATT	GAG	ATG	TTA	GAT	AGG	CAC	CAT	ACT	CAC	TTT	TGC	CCT	TTA	GAA	GGG
Leu	Ala	Ile	Clu	Met	Leu	Asp	Arg	His	His	Thr	His	Phe	Cys	Pro	Leu	Glu	Gly

GAA	AGC	TGG	CAA	GAT	TTT	TTA	CGT	AAT	AAC	GCT	AAA	AGT	TTT	AGA	TGT	GCT	TTA
Glu	Ser	Trp	Gln	Asp	Phe	Leu	Arg	Asn	Asn	Ala	Lys	Ser	Phe	Arg	Cys	Ala	Leu

Fig. 5A

CTA AGT CAT CGC GAT GGA GCA AAA GTA CAT TTA GGT ACA CGG CCT ACA GAA AAA
Leu Ser His Arg Asp GLY Ala Lys Val His Leu GLY Thr Arg Pro Thr Glu Lys

CAG TAT GAA ACT CTC GAA ATT CAA TTA GCC TTT TTA TGC CAA GGT TTT TCA
Gln Tyr Glu Thr Leu Glu Asn Gln Leu Ala Phe Leu Cys Gln Gln Gly Phe Ser

CTA GAG AAT GCA TTA TAT GCA CTC AGC GCT GTG GGG CAT TTT ACT TTA GGT TGC
Leu Glu Asn Ala Leu Tyr Ala Leu Ser Ala Val GLY His Phe Thr Leu GLY Cys

GTA TTG GAA GAT CAA GAG CAT CAA GTC GCT AAA GAA GAA AGG GAA ACA CCT ACT
Val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr Pro Thr

ACT GAT AGT ATG CCG CCA TTA TTA CGA CAA GCT ATC GAA TTA TTT GAT CAC CAA
Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu Phe Asp His Gln

Fig. 5B

GGT	GCA	GAG	CCA	GCC	TTC	TTA	TTC	GGC	CTT	GAA	TTG	ATC	ATA	TGC	GGA	TTA	GAA
Gly	Ala	Glu	Pro	Ala	Phe	Leu	Phe	Gly	Leu	Glu	Leu	Ile	Ile	Cys	Gly	Leu	Glu

AAA	CAA	CTT	AAA	TGT	GAA	AGT	GGG	TCT	GAT	CCA	TCG	ATA	CAC	ACG	CGC	AGA	CTG
Lys	Gln	Leu	Lys	Cys	Glu	Ser	Gly	Ser	Asp	Pro	Ser	Ile	His	Thr	Arg	Arg	Leu

TCG	ACG	GCC	CCC	CCG	ACC	GAT	GTC	AGC	CTG	GGG	GAC	GAG	CTC	CAC	TTA	GAC	GGC		
Ser	Thr	Ala	Pro	Pro	Thr	Asp	Val	Ser	Leu	Gly	Glu	Gly	Asp	Glu	Leu	His	Leu	Asp	Gly

GAG	GAC	GTG	GCG	ATG	GCG	CAT	GCC	GAC	GCG	CTA	GAC	GAT	TTC	GAT	CTG	GAC	ATG
Glu	Asp	Val	Ala	Met	Ala	His	Ala	Asp	Ala	Leu	Asp	Asp	Phe	Asp	Leu	Asp	Met

TTG	GGG	GAC	GGG	GAT	TCC	CCG	GGT	CCG	GGA	TTT	ACC	CCC	CAC	GAC	TCC	GCC	CCC		
Leu	Gly	Asp	Gly	Asp	Ser	Pro	Gly	Pro	Gly	Pro	Gly	Phe	Thr	Pro	His	Asp	Ser	Ala	Pro

Fig. 5C

TAC	GGC	GCT	CTG	GAT	ATG	GCC	GAC	TTC	GAG	TTT	GAG	CAG	ATG	TTT	ACC	GAT	GCC
Tyr	Gly	Ala	Leu	Asp	Met	Ala	Asp	Phe	Glu	Phe	Glu	Gln	Met	Phe	Thr	Asp	Ala

CTT	GGA	ATT	GAC	GAG	TAC	GGT	GGG	TTC	TAG	
Leu	Gly	Gly	Ile	Asp	Glu	Tyr	Gly	Gly	Phe	*

Fig 5D

GAATT CCT CGAGT TACCACTCCCTATCAGTGATAGAGAAAAGTGAAGT CGAGTTACCACTC
CCTATCAGTGATAGAGAAAAGTGAAGT CGAGTTACCACTCCCTATCAGTGATAGAGAAAAGT
GAAAGT CGAGT TACCACTCCCTATCAGTGATAGAGAAAAGTGAAGT CGAGTTACCACTCCC
TATCAGTGATAGAGAAAAGTGAAGT CGAGT TACCACTCCCTATCAGTGATAGAGAAAAGTGA
AAGTCGAGTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAGT CGAGCTCGGTACCCGGGT
CGAGT AGGGCGTGTACGGTGGGGCCCTATAAGCAGAGCTCGTTAGTGAACCGTCAGATCGC
CTGGAGACGCCATCCACGCTGTTTGACCTCCATAGAAGACACGGGACCGATCCAGCCTCCGC
GG

Fig. 6

up to 1000 m/s and 1000 m/s up to 1000 m/s

GAATTCCCTCGACCCGGGTACCGAGCTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTTCTCT
AACTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAA
ATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTAT
CTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACT
CACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTCTCTAT
CGAGTAGGGCGTGTACGGTGGGGAGGCTATATAAGCAGAGCTCGTTIAGTGAACCGTCAAGATCGC
CTGGAGACGCCATCCACGCTGTGTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGC
GG

Fig. 7

GAGCTCGACTTTCACTTCTCTATCACTGATAAGGGAGTGGTAAACTCGACTTTCACTGACTTTCTC
TATCACTGATAAGGGAGTGGTAAACTCGACTTTCACTGACTTTCTCTATCACTGATAAGGGAGTGGTAA
ACTCGACTTTCACTTCTCTATCACTGATAAGGGAGTGGTAAACTCGACTTTCACTGACTTTCTCTA
TCACTGATAAGGGAGTGGTAAACTCGACTTTCACTGACTTTCTCTATCACTGATAAGGGAGTGGTAAAC
TCGACTTTCACTTCTCTATCACTGATAAGGGAGTGGTAAACTCGAGATCCGGCGAATTCGAAC
ACGGCAGATGCAAGTCGGGGCGCGCGCGTCCACTTCGCAATTAAAGGTGACGGCGTGTGG
CCTCGAACACCGAG

Fig. 8

Fig. 9A

Fig. 9B

CCCTTCG: CCCGGAGGGGCTTCCCCCTCTGGCTCGTCCACCCCTG'TGGGGGGCGGACTTCC
CCGACTGCACCTACCGCCCGAGCCGAGCCAAAGATGACGCCTACGGCGACTT
CCAGCCGCCGCCTCAAGATAAAGGAGGGAGGAAGAAGCCGGCGAGGGCCGGCTCCCCG
CGTACGTAACCTGGTGGCTGGTGCACCCGGCTTCCCCGGACTTCCAGCTGGCAGGGCG
CGCCACCCCTGGCTGGCCCTCGAGTGCCCTCGTCCAGACCCGGGAAGCGGGCGGGCCTC
CCCAGGCAGTGCCTCCGTCTCCTCGTCGGGTCTGACCCCTGGAGTGCAATCCTGTAC
AAGGCAGAAGGGCGCCGCCAGCAGGGCCCTTTCGGCCGGCTGCCCCCTGCAAGCCCTCCGGCG
CCGGCCCTGGCTCCCGGGACGGCCTGCCCTCACCTCCGGCTCGGCCAGCCGG
GGCCGCCCTGGCTTACCCGACGGCTCGGCCCTCAACGGACTCCCGCAACTCGGCTACCGGCC
GCCGTGCTCAAGGAGGGCCTGCCGAGGTCTACACGCCCTATCTCAACTACCTGAGGGCGGATT
CAGAAGCCAGTCAGAGGCCACAGTACAGCTCGAGTCACTACACTCAGAAGATTGTTGATCTG
TGGGGATGAAGGCATCAGGCTGTCAATTATGGTGTCCCTCACCTGGAGCTGTAAGGTCTTCTTT
AAAAGGGCAATTGGAAAGGGCAGCATAACTATTATGTGCTGGAAAGAAATGACTGCATTGTTGATA

Fig. 9C

AAATCCGCAGGAAAAACTGCCCGCCGTGTCGCCCTTAGAAAGTGTCAAGCTGGCATGGTCCT
TGGAGGGGAAAGTTAAAAGTTCAATAAGTCAGAGTCATGAGGCACTCGATGCTGTTGCT
CTCCCCACAGCCAGTGGCATTCCAATGAAAGCCAACGAATCACTTTTCTCCAAGTCAGAGA
TACAGTTAATTCCCCCTCTAATCAACCTGTTAATGAGGCATTGAACCAGATGTGATCTATGGCAGG
ACATGACAACAAAGCCTGATAACCTCCAGTTCTTGCTGACGAGTCTTAATCAACTAGGCAG
CGGCCAACTTTCAGTGGTAAAATGGTCCAATCTCTCCAGGTTTCGAAAACCTACATATTG
ATGACCCAGATAACTCTCATCCAGTATTCTTGGATGAGTTAATGGTATTGGACTAGGATGGAG
ATCCTACAAACATGTCAAGTGGCAGATGCTGTATTGCACCTGATCTAATAATTAAATGAAACAG
CGGATGAAAGAATCATCATTCACTATGCCTTACCATGTCAGATACCGCAGGAGTTG
TCAAGCTTCAAGTTAGCCAAGGAAGAGTTCCCTGCATGAAAGTATTACTACTTCTTAATACAAT
TCCCTTGGAAAGGACTAAGAAGTCAAAGCCAGTTGAAAGAGATGAGATCAAGCTACATTAGAGAG
CTCATCAAGGCAATTGGTTGAGGCAAAAAGGAGTTGTTCCAGCTCACAGCGTTCTATCAGC
TCACAAAACCTTGTGATAACCTTGATGATCTTGTCAAAACACTTCACCTGACTGCCCTGAATAAC

Fig. 9D

ATTATCCAGTCCCCGGCGCTGAGTGTGAAATTCCAGAAATGATGTCTGAAGTTATTGCTGCA
CAGTACCCAAAGATATTGGCAGGGATGGTGAACCACTTCTCTTCTAAAGTGAATGTCAA
TTTATTTCAAAAGAATTAAAGTGTGTGGTATGTCTTTCGTTGGTCAGGATTATGACGTCTCG
AGTTTTTATAATTCTGAAAGGGAAATTCCCTGCAGCCCCGGGGATCCACTAGTTCTAGAGGATC
CAGACATGATAAAGATAACATTGATGAGTTGGACAAACCACAACTAGAAATGCAGTGAaaaaaatG
CTTATTGTGAAATTGTGATGCTATTGCTTATTGCTTATAACCATTATAAGCTGCAATAACAA
GTTAACAAACAATTGCATTCAATTGCTTATGTTCAAGGGTCAAGGGGGAGGGTGTGGAGGTTTTT
AAAGCAAGTAAACCTCTACAAATGTGGTATGGCTGATTATGATCCTGCAAGCCTCGTCGTCTG
GCCGGACCAACGCTATCTGTGCAAGGTCCCCGGACGGCGCTCCATGAGCAGGGCCCGGCC
GAGGCAAGACTGGGGCGCCCTGCCGTCCCCCACAGGTCAACAGGGCTAACCGGGCTCTTC
ATCGGGAATGCGGGCACCTCAGCATCGCCGGCATGTCCTGGGGACGGGAAGTATCAGGCT
CGACCAAGCTTGGCGAGATTCAAGGAAGCTAAAGGAGCTAAATGGAGAAaaaaatCACTGGAT
ATACCACCGTGTGATAATCCCCAATGGCATCGTAAAGAACATTGAGGCATTTCAGTCAGTTGC

Fig. 9E

TCAATGTACCIATAACCAAGACCGTTCAAGCTGCATTAAATGAATCGGCCAACGGCGGGAGAGGC
GGTTTGCCTATGGCGCTCTCCGCTTCCCTCGCTCACTGACTCGCGCTCGGTCGTTCGGC
TGCGGGCGAGCGTATCAGCTCACTCAAAGGCCAGCAAAGGCCAGGAACCGTAAAGGCCGGTGTG
CGCAGGAAAGAACATGAGCAAAGGCCAGCAAAGGCCAGGAACCGTAAAGGCCGGTGTG
CTGGCGTTCCATAGGCTCCGGCCCCCTGACGAGCATCACAAATCGACGCTCAAGTCAGA
GGTGGCGAAACCCGACAGGAACTATAAGATAACCAGGGGTTTCCCCCTGGAAAGCTCCCTCGTGCG
CTCTCCTGTTCCGACCCCTGCCGCTTACCGGATAACCTTGTCCGCCCTTCTCCCTTCGGGAAGCGTG
GGGCTTTCTCAATGCTCACGGCTGTAGGTATCTCAGTTGGGTAGGTGCTCGCTCCAAGCTGG
GCTGTGCACGAACCCCCGGTTCAGCCCCGACCCGCTGCCCTTATCCGGTAACTATCGTCTTGA
GTCCACCCGGTAAGAACACGGAACCTTATGCCCACTGGCAGGCCACTGGTAACAGGATTAGCAGA
GGGAGGGTATGTTAGGGGGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAA
GGACAGTATTGGTATCTGCCCTGTGCTGAAGCCAGTTACCTTCGGAAAGAGTTGGTAGCTC
TTGATCCGGAAACAAACCAACCGCTGGTAGCCAGTTGGTGGCTGGAGCAGCAGATTACG

Fig. 9F

CGCAGAAAAAGGATCTCAAGAAGATCCTTGTATCTGGGTCTGACGGCTCAGTGGAA
ACGAAACTCACGTTAAGGGATTGGTCATGAGATTATCAAAAGGATCTCACCTAGATCCT
TTTAAATTAAATGAAGTTAAATCAATTAAAGTATATATGAGTAAACTTGGTCTGACAGT
TACCAATGCTTAATCAGTGAGGCACCTATCTCAGGGATCTGTCTATTTCGTTCATCCATAGTTG
CCTGACTCCCCGTCGTGTAGATAACTACGATAACGGAGGGCTTACCATCTGCCCCAGTGC
AATGATAACCGGAGACCCACGGCTCACCGGCTCCAGATTATCAGCAATAACCAACCAGCCAGGAA
AGGGCCGGAGAAGTGGTCCCTGCAACTTATCCGCCTCCATCCAGTCTATTAAATTGTTGCC
GGGAAGCTAGAGTAAGTAGTTGCCAGTTAATAGTTGGCTTCAAGCTTGGTATGGCTTCAAGG
CATCGTGGTGTCA CGCTCGTGTGGCTTCAATTCAAGCTCCGGTTCCCAACGATCAAGG
CGAGTTACATGATCCCCCATGTTGTGCAAAAAGCGTTAGCTCCTCCGATCGTTG
TCAGAAGTAAGTTGGCCGGCAGTGTATCACTCATGGTTATGGCAGGACTGCATAATTCTCTTAC
TGTCAATGCCATCCGTAAAGATGCTTGTGACTGGTGA GTACTCAACCAAGTCATTCTGAGAA
TAGTGTATGCGGGACCCGAGTTGCTCTTGGCCGGCTCAATAACGGGATAATAACCGGCCACATA

Fig. 9G

GCAGAACCTTAAAGTGCCTCATCATTGGAAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTT
ACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTT
ACTTTCACCGCGTTCTGGGTGAGCAAAACAGGAAGGCCAAATGCCGAAAAAGGGAATAA
GGGCGACACGGAAATGTTGAATACTCATACTCTCCCTTTCAATATTATTGAAGCATTATCA
GGGTATTGTCTCATGAGCGGATAATTTGAATGTATTAGAAAATAACAAATAGGGTT
CCGGCACATTCCCCGAAAGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTA
CCTATAAAATAAGGCGTATCACCGGCCCTTCGTC

Fig. 9H

Fig. 10A

CCCACGGCCAGCAGGTGCCCTACTACCTGGAGAACGGAGCCAGGGCTACACGGGTGGCGAGGC
CGGCCCGGCCATTCTACAGGCCAAATTCAAGATAATCGACGCCAGGGTGGCAGAGAAAGATTG
GCCAGTACCAATGACAAGGAAGTATGGCTATGGAAATCTGCCAAGGAGACTCGCTACTGTGCAG
TGTGCAATGACTATGCTTCAGGCTACCCATTATGGAGTCTGGTCCCTGTGAGGGCTGCAAGGGCTT
CTTCAAGAGAAAGTATTCAAGGACATAACGACTATATGTGTCCAGCCACCAACCAGTGCACCATT
GATAAAACAGGAGGAAGAGCTGCCAGGCCTGCCGCTCCGCAAATGCTACGAAGTGGGAATGA
TGAAGGTGGGATAACGAAAGACCGAACGGAGGGAGGAATGTTGAAACACACAAGGCCAGAGAGA
TGATGGGAGGGCAGGGTGAAGTGGGTCTGCTGGAGACATGAGAGCTGCCAACCTTGGCCA
AGCCCCGCTCATGATCAAAGGCTCTAAAGAACAGCCTGGCCTTGTCAGGGGACCCAGA
TGGTCATGGCCTTGTGGATGCTGAGCCCCCATACTCTATTCCGAGATGATCCTACCAAGACC
CTTCAGTGAAGCCTTCCGATGGCTTACTGACCAACCTGCCAGACAGGGAGCTGGTTCACATG
ATCAACTGGCGAACGGGTGCCAGGGCTTGTGGATTGACCCCTCCATGATCAGGTCCACCTTC
TAGAATGTGCCCTGGCTAGAGATCCTGATGATTGGTCTCGTGGCCTCCATGGACCCAGT

Fig. 10B

GAAGCTACTTGTCTTAACTTGTCTGGACAGGAACCAAGGGAAAATGTGTAGAGGGCATG
GTGGAGATCTCGACATGCTGGCTACATCATCTCGGTTCGGCATGATGAATCTGCAGGGAG
AGGAGTTGTGCCTCAAATCTATTATTGCTTAATTCTGGAGTGTACACATTCTGTCCAG
CACCTGAAAGTCTCTGGAAAGAGAACCATATCCACCCGAGGTCTGGACAAAGATCACAGACACT
TTGATCCACCTGATGCCAAGGCAGGCAGCCCTGACCCCTGCAGCAGCACCAGGGCTGGCCAGC
TCCTCCTCATCCTCCACATCAGGCACATGAGTAACAAAGGCATGGAGCATCTGTACAGCAT
GAAGTGCAAGAACGTGGTGCCTCTATGACCTGCTGGAGATGCTGGACGGCCACCGCCTA
CATGCCCACTAGCCGTGGAGGGCATCCGGAGACGGACCAAAGCCACTTGGCCACTG
CGGGCTACTTCATCGCATTCCTGCACAAAGTATTACATCACGGGGAGGCAGAGGGTTTCCC
TGCCACAGTCTGAGAGCTCCCTGGCGGAATTGAGCTCGGTACCCGGGATCCTCTAGAGGATC
CAGACATGATAAGATACATTGATGAGTTGGACAAACCACAACTAGAATGCAGTGAAAAAAATG
CTTTATTGTGAAATTGTGATGCTATTGCTTATTGTACCCATTAAAGCTGCAATAAACAA
GTTAACAAACAATTGCATTTCAGGTTCAAGGTTCAAGGGGAGGGTGTGGAGGGTTTTT

Fig. 10C

AAAGCAAGTAAAACCTCTACAATGTGGTATGGCTGATTATGATCCCTGCAAGGCCCTCGTCGTCTG
GCCGGACCCAGCTATCTGTGCAAGGTCCCCGGACGCCGCTCCATGAGCAGGCCGCCGCC
GAGGCAAGAGACTCGGGGGCGCCCTGCCCGTCCCCACCCAGGTCAAACAGGGGTAAACCGGGTAACCGGGCTCTTC
ATCGGGAAATGCGCGCGACCTTCAGCATCGCCGGCATGTCCCCCTGGGGACGGGAAGTATCAGCT
CGACCAAGCTTGGCGAGATTTCAAGGAGCTAAGGAAGCTAAAAATGGAGAAAAAAATCACTGGAT
ATACCACCGTTGATATAACCAGACCGTTCAAGCTGCAATTAAATGAAATGGCAATTTCAGTCAGTCAGTG
TCAATGTACCTATAACCAGACCGTTCAAGCTGCAATTAAATGAAATCGGCAACCGGGGGAGAGGC
GGTTTGGGTATTGGGGCTCTCCGCTTCCTCGCTCACTGACTCGCTGGCTCGGTCGGTGGC
TGCGGGCGAGCGGTATCACTCACTCAAAGGGTAATAACGGTTATCCACAGAATCAGGGATAA
CGCAGGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGGCGGTTG
CTGGCGGTATTTCATAGGCTTCCGGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGA
GGTGGCGAAACCCGACAGGACTATAAAGATAACCGGGTTTCCCCCTGGAAAGGCTCCCTCGTGGCG
CTCTCCTGTTCCGACCCCTGCCGCTTACCGGATAACCTGTCCGGCTTCTCCCTCGGAAAGGCGTGT

Fig. 10D

GGGCTTTCTCATGCTCACGGCTGTAGGGTATCTCAGITCGGTAGGGTCGTTCGCTCCAAGCTGG
GCTGTGTGCACGAACCCCCGGTTCAAGCCGACCGCTGGCTGCCACTGGCAGGCCACTGGTAACACTATCGTCTTGA
GTCCAACCCGGTAAGACACGACTTATGCCACTGGCAGGCCACTGGCAGCCACTGGTAACAGGATTAGCAGA
GGGAGGGTATGTAGGGCGGTGCTACAGAGTTCTTGAAAGTGGTGGCTAACACTACGGCTACACTAGAA
GGACAGTATTGGTATCTGCGCTCTGCTGAAGGCCAGTTACCTTCGGAAAAAGAGGTTGGTAGCTC
TTGATCCC GCAAACAAACCACCGCTGGTAGGGTTTTGTTGCAAGGCAGCAGATTACG
CGCAGAAAAAGGATCTCAAGAAAGATCCTTGTATCTACGGGTCTGACGCTCAGTGG
ACGAAACTCACGTTAAGGGATTGGTCAATGAGATTATCAAAAAGGATCTCACCTAGATCCT
TTAAATTAAAATGAAGTTAAATCAAACTAAAGTATATGAGTAAACTTGGTCTGACAGT
TACCAATGCTTAATCAGTGGCACCTATCTCAGCGATCTGTCTATTCTGTCATCCATAGTTG
CCTGATCCCCGGTGTGATTAACCGGATACGGGGCTTACCCATTCTGGCCCCAGTGGCTGCA
ATGATACCCGGAGACCCACGGCTCACCGGCTCCAGATTATCAGCAATAAACAGCCAGCGGAA
GGGCCGAGCGAGAAGTGGTCTGCAACTTTATCCGGCCTCCATCCAGTCTATTAAATTGTTGCCG

Fig. 10E

GGAAAGCTTAAGTAAGTGTAGTTGCCAGTTAAATAGTTGGCAACGTTGCTTGGCATTGCTACAGGC
ATCGTGTGTACGGCTCGTCGTTGGTATGGCTTCATTCAAGCTCCGGTCCAAACGATCAAGGC
GAGTTACATGATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCAGCTCCGGATCGTTGT
CAGAAGTAAGTGGCCGCAGTGTATCACTCATGGTTATGGCAGCAGTGCATAATTCTCTTACT
GTCATGCCATCGTAAGATGCTTTCTGTGACTGGTGAAGTACTCAACCAAGTCATTCTGAGAAT
AGTGTATGGCGACCGAGTTGCTCTGCCGGGTCAATAACGGATAATACGCCACATAG
CAGAACCTTAAAGTGTCACTCATGGAAAACGTTCTGGGGCGAAAACCTCAAGGATCTTA
CCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACGTACTCTCAGGATCTTTA
CTTTCACCGCGTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCGCAGAAAAGGGAATAAG
GGCGACACGGAATATGTGAATACTCATCTCCCTTCAATATATTGAAGCATTATCAG
GGTTATGTCTCATGAGGGATACATATTGAAATGTATTAGAAAATAACAAATAGGGGTC
CGCGCACATTCCGGAAAAGTGCCACCTGACGTCTAAGAAACCATATTATCATGACATTAAAC
CTATAAAATAGCGTATCACGAGGCCCTTCGTC

Fig. 10F

FIG. II

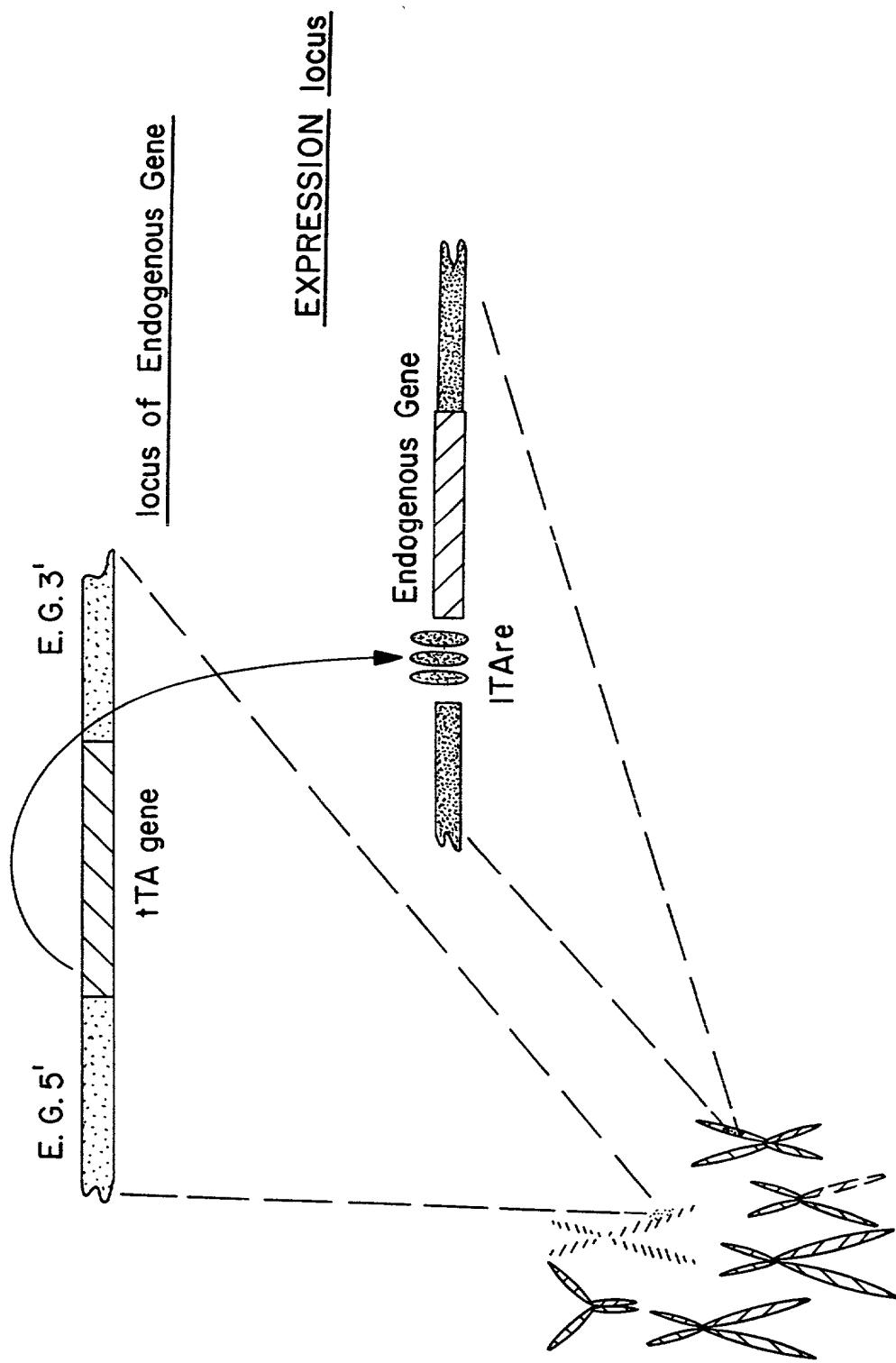


FIG. 12

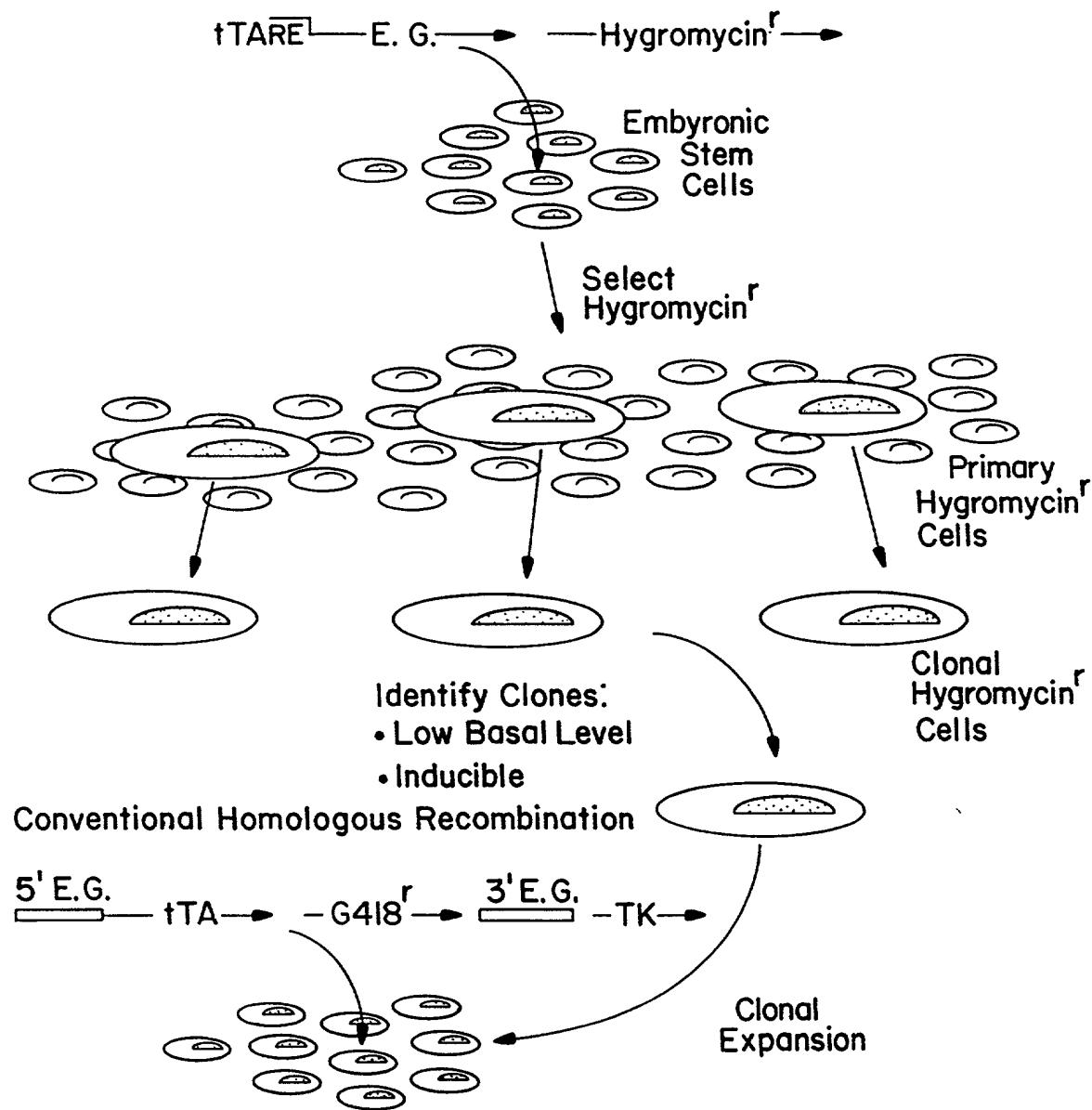


FIG. 13A

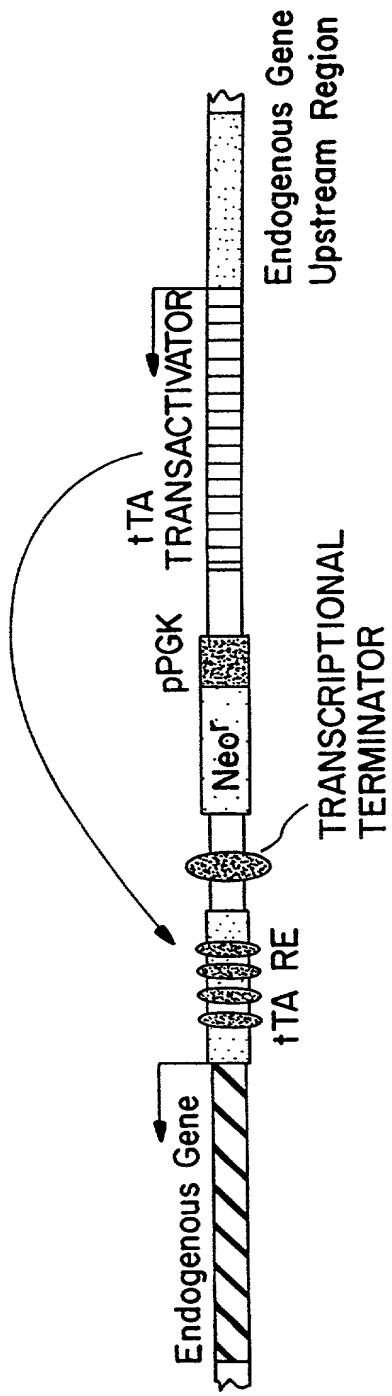


FIG. 13B

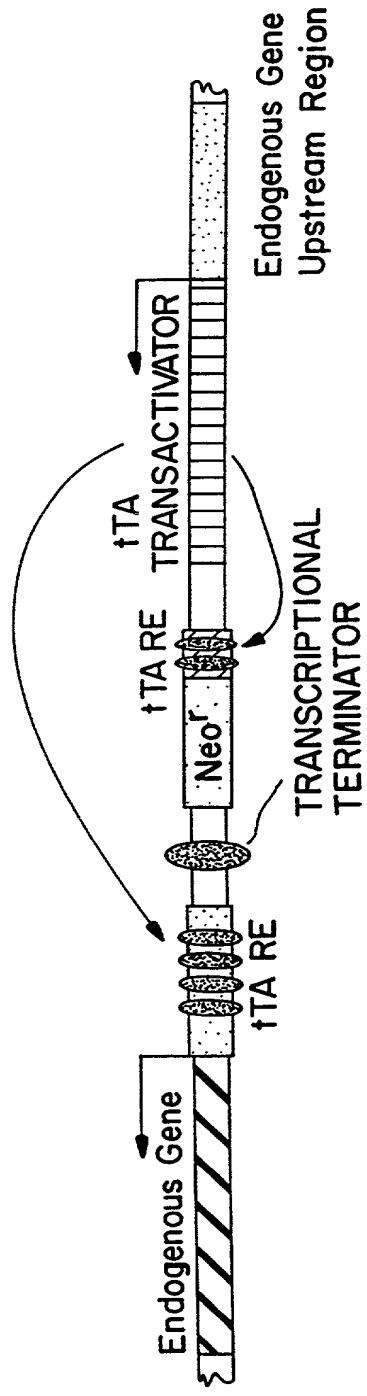


FIG.14

